

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/565,495
Source: IFWP
Date Processed by STIC: 1/30/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,495

TIME: 15:09:22

Input Set : A:\PU60406SEQLIST.txt

Output Set: N:\CRF4\01302006\J565495.raw

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4 <110> APPLICANT: Legos, Jeffrey F
5      Barone, Frank T
6      Coatney, Robert
8 <120> TITLE OF INVENTION: METHODS OF TREATMENT WITH LXR AGONISTS
11 <130> FILE REFERENCE: PU60406
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/565,495
C--> 14 <141> CURRENT FILING DATE: 2006-01-20
16 <150> PRIOR APPLICATION NUMBER: 60/489,202
17 <151> PRIOR FILING DATE: 2002-07-22
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1344
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapien
28 <400> SEQUENCE: 1
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30 tggaagccag gcgcacagga tgcaagcagc caggcccagg gaggcagcag ctgcatcctc 120
31 agagaggaag ccaggatgcc ccactctgct gggggtactg caggggtggg gctggaggct 180
32 gcagagccca cagccctgct caccagggca gagccccctt cagaaccac agagatccgt 240
33 ccacaaaagc ggaaaaaggg gccagcccc aaatgtctgg ggaacgagct atgcagcgtg 300
34 tgtggggaca aggcctcggg cttccactac aatgttctga gctgcgaggg ctgcaaggga 360
35 ttcttccgcc gcagcgtcat caagggagcg cactacatct gccacagtgg cggccactgc 420
36 cccatggaca cctacatgcg tcgcaagtgc caggagtgtc ggcttcgcaa atgccgtcag 480
37 gctggcatgc gggaggagtg tgtcctgtca gaagaacaga tccgcctgaa gaaactgaag 540
38 cggcaagagg aggaacaggc tcatgccaca tccttgcccc ccaggcgttc ctaccccc 600
39 caaatcctgc cccagctcag cccggaacaa ctgggcatga tcgagaagct cgtcgctgcc 660
40 cagcaacagt gtaaccggcg ctccctttct gaccggcttc gagtcacgcc ttggcccattg 720
41 gcaccagatc cccatagccg ggaggcccg cagcagcgtc ttgcccactt cactgagctg 780
42 gccatcgtct ctgtgcagga gatagttgac tttgctaaac agctaccggg cttcctgcag 840
43 ctacagccggg aggaccagat tgccctgctg aagacctctg cgatcgaggat gatgcttctg 900
44 gagacatctc ggaggtacaa ccctgggagt gagagtatca ccttcctcaa ggatttcagt 960
45 tataaccggg aagactttgc caaagcaggg ctgcaagtgg aattcatcaa ccccatcttc 1020
46 gagttctcca gggccatgaa tgagctgcaa ctcaatgatg ccgagtttgc cttgctcatt 1080
47 gctatcagca tcttctctgc agaccggccc aacgtgcagg accagctcca ggtggagagg 1140
48 ctgcagacaa catatgtgga agccctgcat gcctacgtct ccatccacca tccccatgac 1200
49 cgactgatgt tcccacggat gctaataaaa ctggtgagcc tccggaccct gagcagcgtc 1260
50 cactcagagc aagtgtttgc actgcgtctg caggacaaaa agctcccacc gctgctctct 1320
51 gagatctggg atgtgcacga atga                                     1344
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 447
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapien

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58 <400> SEQUENCE: 2

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59 Met Ser Leu Trp Leu Gly Ala Pro Val Pro Asp Ile Pro Pro Asp Ser
60 1 5 10 15
61 Ala Val Glu Leu Trp Lys Pro Gly Ala Gln Asp Ala Ser Ser Gln Ala
62 20 25 30
63 Gln Gly Gly Ser Ser Cys Ile Leu Arg Glu Glu Ala Arg Met Pro His
64 35 40 45
65 Ser Ala Gly Gly Thr Ala Gly Val Gly Leu Glu Ala Ala Glu Pro Thr
66 50 55 60
67 Ala Leu Leu Thr Arg Ala Glu Pro Pro Ser Glu Pro Thr Glu Ile Arg
68 65 70 75 80
69 Pro Gln Lys Arg Lys Lys Gly Pro Ala Pro Lys Met Leu Gly Asn Glu
70 85 90 95
71 Leu Cys Ser Val Cys Gly Asp Lys Ala Ser Gly Phe His Tyr Asn Val
72 100 105 110
73 Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Ile Lys
74 115 120 125
75 Gly Ala His Tyr Ile Cys His Ser Gly Gly His Cys Pro Met Asp Thr
76 130 135 140
77 Tyr Met Arg Arg Lys Cys Gln Glu Cys Arg Leu Arg Lys Cys Arg Gln
78 145 150 155 160
79 Ala Gly Met Arg Glu Glu Cys Val Leu Ser Glu Glu Gln Ile Arg Leu
80 165 170 175
81 Lys Lys Leu Lys Arg Gln Glu Glu Glu Ala His Ala Thr Ser Leu
82 180 185 190
83 Pro Pro Arg Arg Ser Ser Pro Pro Gln Ile Leu Pro Gln Leu Ser Pro
84 195 200 205
85 Glu Gln Leu Gly Met Ile Glu Lys Leu Val Ala Ala Gln Gln Gln Cys
86 210 215 220
87 Asn Arg Arg Ser Phe Ser Asp Arg Leu Arg Val Thr Pro Trp Pro Met
88 225 230 235 240
89 Ala Pro Asp Pro His Ser Arg Glu Ala Arg Gln Gln Arg Phe Ala His
90 245 250 255
91 Phe Thr Glu Leu Ala Ile Val Ser Val Gln Glu Ile Val Asp Phe Ala
92 260 265 270
93 Lys Gln Leu Pro Gly Phe Leu Gln Leu Ser Arg Glu Asp Gln Ile Ala
94 275 280 285
95 Leu Leu Lys Thr Ser Ala Ile Glu Val Met Leu Leu Glu Thr Ser Arg
96 290 295 300
97 Arg Tyr Asn Pro Gly Ser Glu Ser Ile Thr Phe Leu Lys Asp Phe Ser
98 305 310 315 320
99 Tyr Asn Arg Glu Asp Phe Ala Lys Ala Gly Leu Gln Val Glu Phe Ile
100 325 330 335
101 Asn Pro Ile Phe Glu Phe Ser Arg Ala Met Asn Glu Leu Gln Leu Asn
102 340 345 350
103 Asp Ala Glu Phe Ala Leu Leu Ile Ala Ile Ser Ile Phe Ser Ala Asp
104 355 360 365
105 Arg Pro Asn Val Gln Asp Gln Leu Gln Val Glu Arg Leu Gln His Thr
106 370 375 380

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107 Tyr Val Glu Ala Leu His Ala Tyr Val Ser Ile His His Pro His Asp
108 385          390          395          400
109 Arg Leu Met Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr
110          405          410          415
111 Leu Ser Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp
112          420          425          430
113 Lys Lys Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
114          435          440          445
117 <210> SEQ ID NO: 3
118 <211> LENGTH: 1383
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapien
122 <400> SEQUENCE: 3
123 atgtcctctc ctaccacgag ttccctggat acccccctgc ctggaaatgg cccccctcag 60
124 cctggcgccc cttcttcttc acccactgta aaggaggagg gtccggagcc gtggcccggg 120
125 ggtccggacc ctgatgtccc aggcactgat gaggccagct cagcctgcag cacagactgg 180
126 gtcattcccag atccccgaaga ggaaccagag cgcaagcgaa agaagggccc agccccgaag 240
127 atgctggggc acgagctttg cctgtgtctgt ggggacaagg cctccggctt ccactacaac 300
128 gtgtcagct gcgaaggctg caagggtctt ttccggcgca gtgtggtccg tgggtggggc 360
129 aggcgtatg cctgccgggg tggcggaacc tgccagatgg acgctttcat gcggcgcaag 420
130 tgccagcagt gccggtgctg caagtgaag gaggcagga tgagggagca gtgcgtcctt 480
131 tctgaagaac agatccggaa gaagaagatt cggaaacagc agcaggagtc acagtcacag 540
132 tcgcagtcac ctgtggggcc gcagggcagc agcagctcag cctctggggc tggggcttcc 600
133 cctgggtgat ctgaggcagg cagccagggc tccggggaag gcgaggggtg ccagctaaca 660
134 gcggctcaag aactaatgat ccagcagttg gtggcgggcc aactgcagtg caacaaacgc 720
135 tccttctccg accagcccaa agtcacgccc tggcccctgg gcgcagaccc ccagtcccg 780
136 gatgcccgcc agcaacgctt tgcccacttc acggagctgg ccatcatctc agtccaggag 840
137 atcgtggact tcgctaagca agtgctggt ttctgcagc tgggcccggg ggaccagatc 900
138 gccctcctga aggcattcac tatcgagatc atgctgctag agacagccag gcgctacaac 960
139 cagcagacag agtgtatcac cttcttgaag gacttcacct acagcaagga cgacttcac 1020
140 cgtgcaggcc tgcaggtgga gttcatcaac cccatcttcg agttctcgcg ggccatgcgg 1080
141 cggtggggcc tggacgacgc tgagtacgcc ctgctcatcg ccatcaacat cttctcggcc 1140
142 gaccggccca acgtgcagga gccggggccgc gtggaggcgt tgcagcagcc ctacgtggag 1200
143 gcgctgctgt cctacacgcg catcaagagg ccgcaggacc agctgcgctt cccgcgcatg 1260
144 ctcattgaagc tggtagacct gcgcacgctg agctctgtgc actcggagca ggtcttcgcc 1320
145 ttgcggctcc aggacaagaa gctgccgcct ctgctgtcgg agatctggga cgtccacgag 1380
146 tga 1383
148 <210> SEQ ID NO: 4
149 <211> LENGTH: 460
150 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 4
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155 1 5 10 15
156 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Ser Pro Thr Val Lys Glu
157 20 25 30
158 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
159 35 40 45
160 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp

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161      50      55      60
162 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys
163 65      70      75      80
164 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
165      85      90      95
166 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
167      100      105      110
168 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
169      115      120      125
170 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
171      130      135      140
172 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
173 145      150      155      160
174 Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Glu
175      165      170      175
176 Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser Ser
177      180      185      190
178 Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly Ser
179      195      200      205
180 Gln Gly Ser Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln Glu
181      210      215      220
182 Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Cys Asn Lys Arg
183 225      230      235      240
184 Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala Asp
185      245      250      255
186 Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr Glu
187      260      265      270
188 Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln Val
189      275      280      285
190 Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu Lys
191      290      295      300
192 Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr Asn
193 305      310      315      320
194 His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser Lys
195      325      330      335
196 Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro Ile
197      340      345      350
198 Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala Glu
199      355      360      365
200 Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro Asn
201      370      375      380
202 Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val Glu
203 385      390      395      400
204 Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu Arg
205      405      410      415
206 Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser Ser
207      420      425      430
208 Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys Leu
209      435      440      445

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210	Pro	Pro	Leu	Leu	Ser	Glu	Ile	Trp	Asp	Val	His	Glu
211		450					455					460

VERIFICATION SUMMARY

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,495

TIME: 15:09:23

Input Set : A:\PU60406SEQLIST.txt

Output Set: N:\CRF4\01302006\J565495.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date